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W	AL	DE 2311237 A	09/1974	Germany						
W	AM	DE 2833582 A	02/1979	Germany						
$\mathcal{W}$	AN	EP 084 767 A	08/1983	EPO						
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[V]	AP	Britten and K 1968.	ohne, "Rep	eated Seque	ences in DNA," Scien	ice 161(	(3841):	529-540	0, Aug	ust 9,
	AQ	Phosphatidate	Phosphohy	ydrolase Ac	y Stimulates Lysopho tivities in Human Mo 2-20743, November	esangial	Cells,	•		nd
W)	AR	Biological Chemistry 266(31): 20732-20743, November 5, 1991.  Bursten et al., "Lipid A activation of glomerular mesangial cells: mimicry of the bioactive lipid, phophatidic acid," American Journal of Physiology 262(2): C328-C338, February 1992.								
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(v)	CD	Hoess and A	bremski, "Ti		Recombination System	," Nucleio	Acids and	Molec	ular		
ίγ)	CE	Imamura et a lysophospha	Biology 4: 99-109, 1990.  Imamura et al, "Induction of in vitro tumor cell invasion of cellular monolayers by lysophosphatidic acid or phospholipase D," Biochemical and Biophysical Research								
(A)	CF	Kester, M., 'Cultured Rat	Communications 193(2): 497-503, June 15, 1993.  Kester, M., "Platelet-Activating Factor Stimulates Phosphatidic Acid Formation in Cultured Rat Mesangial Cells: Roles of Phospholipase D, Diglyceride Kinase, and De Novo Phospholipid Synthesis," Journal of Cellular Physiology 156: 317-325, 1993.								
<b>(</b> √)	CG		ournal of the		hemical Society 42(1):						
W)	СН	Kim et al., Jo Abstracts 13		Korean Cl	nemical Society 43(4):	497-499,	1999. Cher	nical			
W	CI				ultures of fused cells se august 7, 1975.	creting an	tibody of p	redefir	ned		
(i)	Cı				Tekhnol. Inst. 61: 157-	159, 1970	). Chemica	l Absti	racts		
(1)	СК	phosphate A	Kume and Shimizu, "cDNA Cloning and Expression of Murine 1-Acyl-sn-glycerol-3-phosphate Acyltransferase," <i>Biochemical and Biophysical Research Communications</i> 237(3): 663-666, August 28, 1997.								
·(V)	CL		Langalia et al., J. Indian Chem. Soc. 59(9): 1099-1101, 1977. Chemical Abstracts								
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	DD		Leung et al., "Molecular Cloning of Two Alternatively Spliced Forms of Human								
M	ן טע		Phosphatidic Acid Phosphatase cDNAs that Are Differentially Expressed in Normal and								
V* \		Tumor Cells," DNA and Cell Biology 17(4): 377-385, April 1998.									
•	DE	Losman et al.,	"Baboon a	e antibodies mimic a ca	arcinoeml	oryonic anti	gen				
$\mathcal{W}$	DE	epitope," Int.	J. Cancer 4	6(2): 310-3	314, August 15, 1990.						
<del>-                                    </del>		Mortin et al. 6	Martin et al. "Increased concentrations of the saletidate disculations of the saletidate disc								
r	Martin et al., "Increased concentrations of phosphatidate, diacylglycerol a							d ceramide in			
$\mathcal{W}$			ras- and tyrosine kinase (fps)-transformed fibroblasts," Oncogene 14(13):1571-1580, April								
;			3, 1997.  Metha et al., J. Inst. Chem(India) 59(4): 183-185, 1987. Chemical Abstracts 109:6485.								
$\omega$	DG	Metha et al., J	. Inst. Cher	n(India) 59	(4): 183-185, 1987. Cl	hemical A	bstracts 10	9:6485	<b>)</b> .		
<u> </u>		Miller and Ro	sman "Imr	roved Ret	roviral Vectors for Gen	e Transfer	and Expre	esion '	,		
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150	ED	Rao et al., J. In	Rao et al., J. Inst. Chem.(India) 54(5): 199-200, 1982.								
(M	EE	with Phosphat	Rizzo et al., "The Recruitment of Raf-1 to Membranes Is Mediated by Direct Interaction with Phosphatidic Acid and Is Independent of Association with Ras," Journal of Biological								
W 1			Chemistry 275(31): 23911-23918, August 4, 2000.								
M	EF	Companion to	Sauer, B., "Inducible Gene Targeting in Mice Using the Cre/lox System," Methods: A Companion to Methods in Enzymology 14(4): 381-392, April 1998.								
M	EG	Schreurs et al., Immunotherap	Schreurs et al., "Dendritic Cell-Based Vaccines: From Mouse Models to Clinical Cancer Immunotherapy," Critical Reviews in Oncogenesis 11(1): 1-17, 2000.								
W)	ЕН	2 DNA in a Li	Sharp et al., "Viral DNA in Transformed Cells. I. A Study of the Sequences of Adenovirus 2 DNA in a Line of Transformed Rat Cells Using Specific Fragments of the Viral Genome," J. Mol. Biol. 86(4): 709-726, July 15, 1974.								
SN.	EI	Stamps et al., "	Stamps et al., "A human cDNA sequence with homology to non-mammalian lysophosphatidic acid acyltransferases," <i>Biochemical Journal 326</i> :455-461, September 1,								
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M		DNA and Cel	l Biology 16	6(6): 691-7	01, June 1997.	6	responses	iii Oons,			
n 1		Wetmur and I	Davidson. "	Kinetics of	Renaturation of DNA,	" Journa	l of Molecul	lar Biology			
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